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L1: Entry 4 of 5

File: USPT

Nov 2, 1999

DOCUMENT-IDENTIFIER: US 5976567 A

TITLE: Lipid-nucleic acid particles prepared via a hydrophobic lipid-nucleic acid complex intermediate and use for gene transfer

Detailed Description Paragraph Right (238):

This example illustrates the encapsulation of plasmid DNA in a lipid vesicles by the detergent dialysis method using different cationic lipids. The dialysis method is as described previously for DODAC (EXAMPLE 1). The amount of plasmid entrapped with different mol % of the various cationic lipids was determined by DEAE Sepharose chromatography (described in EXAMPLE 2). The entrapment efficiency was similar for all cationic lipids tested with approximately 50 to 60% of plasmid DNA. The cationic lipid concentration required in the formulation for optimal plasmid encapsulation was 6.5 % for DOTMA, DSDAC and DODMA-AN in FIG. 41(a); 8% DODAC and DMRIE in 41(b); DCchol in 41(c).

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L1 336 S DODMA OR DIMETHYL AMMONIUM CHLORIDE
L2 2758 S CATIONIC LIPID
L3 6 S L2 AND L1
L4 2 DUP REM L3 (4 DUPLICATES REMOVED)